

Amendments to the Specification

(1) Please replace the sequence listing which occurs on pages 139-207 with the attached substitute sequence listing.

(2) Please replace the paragraph under "RELATED APPLICATIONS" which occurs on page 1, lines 8-16 with the following paragraph:

This application claims priority under 35 U.S.C. § 119(e) to U.S. Provisional applications 60/435,272, 60/435,167, 60/435,087, and 60/435,527, each of which was filed on December 20, 2002. The entire teachings of each of the referenced applications are incorporated herein by reference in their entirety.

(3) Please replace all paragraphs on page 134 (lines 1-35) with the following paragraphs:

A95 A156 IEPGARTA I MTRNQNVLVLGTEGTIKSEAYRTHIKRINPHVEVHGVACP
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KFVPI VES NQYR (SEQ ID NO:77)

GFVPLVEQMRYS (SEQ ID NO:78)

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A160 A208 SVAKKIVAE TLQALQ LKGLDTLILGCTHYPLLRPVIQNVMGSHVTLIDS (SEQ ID NO:79)

A159 A207 TV IS I VI HQTLKRWRNS ESDTVILGCTHYPLLYKPIYDYFGGKKTVISS (SEQ ID NO:80)

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Comparisons between --- SA & EF2

begin end Sequence Matching

A100 A161 ILPGTRAAVKKTQNKQVGHGTIGTVKSQAYEKALKEKVPCLTVTSLACP

A95 A156 IEPGARTAIMTRNQNVLVLGTEGTIKSEAYRTHIKRINPHVEVHGVACP

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KFVSVVESNEYH (SEQ ID NO:81)

GFVPLVEQMRYS (SEQ ID NO:82)

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A163 A177 SVAKKIVAETLAPLT (SEQ ID NO:83)

A159 A173 TVISIVIHQTLKRWR (SEQ ID NO:84)

| | |

A179 A210 KKIDTLILGCTHYPLLRPIIQNVMGENVQLID (SEQ ID NO:85)

A175 A206 SESDTVILGCTHYPLLYKPIYDYFGGKKTVIS (SEQ ID NO:86)

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(4) Please replace the paragraph with the alignment on page 135 lines 6-20 with the following alignment:

Comparisons between --- EF & EF2

begin end Sequence Matching

A100 A210 ILPGTRAAVKKTQNKQVGIIGTIGTVKSQAYEKALKEKVPCLTVTSLACP

A97 A207 ILPGARAAVKVTKNNKIGVIGTLGTIKSASYDIAIKSKAPAIEVTVSLACP

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KFVSVVESNEYHSSVAKKIVAETLAPLTCKKIDTLILGCTHYPLLRPIQ

KFVPIVESNQYRSSVAKKIVAETLQALQLKGLDTLILGCTHYPLLRPVIQ

| | | | | | | | | | | | | | | | | | | | |

NVMGENVQLID (SEQ ID NO:87)

NVMGSHVTLID (SEQ ID NO:88)

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(5) Please replace the paragraph with the alignment on page 137, lines 8-29 with the following paragraph:

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Fragment 1 length 63

SA	A95	IEPGARTAIMTTR NQNVLVLGTEGTIKSEAYRTHI KRINPHVEVHGVACP
EF	A97	ILPGARAAVKVTKNNK IGVI GTLGTIKSASYDI AI KSKAPAIE VTSLACP
EF2	A100	ILPGTRAAVKKQTQNKQVG I IGTIGTVKSQAYEKALKEKVP ELTVTSLACP

SA	GFVPLVEQMRYSD	A157 (SEQ ID NO:89)
EF	KFVP I VESNQYRS	A159 (SEQ ID NO:90)
EF2	KFVSVVESNEYHS	A162 (SEQ ID NO:91)

Fragment 2 length 15

SA	A159	TV I S IVIHQTLKRWR	A173 (SEQ ID NO:92)
EF	A160	SVAKKIVAETLQALQ	A174 (SEQ ID NO:93)
EF2	A163	SVAKKIVAETLAPLT	A177 (SEQ ID NO:94)

Fragment 3 length 32

SA	A175	SESD TVILGCTHYPLLYKPIYDYFGGKKTVIS	A206 (SEQ ID NO:95)
EF	A176	KGLDTLILGCTHYPLLRPVIQNVMGSHVTLID	A207 (SEQ ID NO:96)
EF2	A179	KKI DTLILGCTHYPLLRP IIQNVMGENVQLID	A210 (SEQ ID NO:97)